

Table A-1. Scientific, engineering, and technical (SET) personnel and SET managers in trade and regulated industries, by detailed industry of employment: 1994

(Filled jobs in thousands)

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Detailed industry	Total SET personnel		SET personnel managers		Scientists		Engineers		Technicians	
	Number	Pct	Number	Pct	Number	Pct	Number	Pct	Number	Pct
Total trade and regulated	457.8	100.0	34.9	100.0	55.4	100.0	129.9	100.0	237.5	100.0
Transportation, communications, and utilities	243.8	53.3	20.8	59.7	29.6	53.5	73.8	56.8	119.6	50.3
Transportation	27.8	6.1	3.1	9.0	6.8	12.3	6.9	5.3	10.9	4.6
Railroad transportation	1.7	.4	.6	1.7	.4	.7	.5	.4	.2	.1
Local and interurban transit ..	.5	.1	.1	.2	.1	.2	.2	.2	.1	.1
Local and suburban transportation .....	.4	.1	<	.1	.1	.1	.2	.2	.1	<
Taxicabs	<	<	.0	.0	<	<	.0	.0	<	<
Bus charter service	<	<	.0	.0	.0	.0	.0	.0	<	<
School buses	<	<	<	<	<	<	.0	.0	<	<
Trucking and warehousing ...	4.8	1.0	.7	2.0	1.0	1.8	1.2	.9	1.9	.8
Trucking and courier services, excluding air	4.0	.9	.6	1.7	.8	1.5	1.0	.7	1.6	.7
Public warehousing and storage .....	.7	.2	.1	.3	.2	.3	.2	.2	.2	.1
Water transportation	2.3	.5	.2	.5	.3	.5	1.6	1.3	.2	.1
Deep sea foreign transportation of freight ..	.4	.1	.1	.2	.1	.2	.2	.2	.1	<
Deep sea domestic transportation of freight ..	.3	.1	<	.1	<	.1	.2	.1	<	<
Freight transportation on the Great Lakes	<	<	.0	.0	.0	.0	<	<	.0	.0
Water transportation of freight, n.e.c. ....	.2	.1	<	.1	.1	.1	.2	.1	<	<
Water transportation of passengers .....	.1	<	<	<	<	.1	.1	.1	<	<
Water transportation services	1.2	.3	<	.1	<	.1	1.0	.8	.1	<
Air transportation	13.3	2.9	1.3	3.7	3.8	6.9	2.4	1.9	5.7	2.4
Air transportation, scheduled	11.9	2.6	1.0	3.0	3.8	6.8	2.0	1.5	5.2	2.2
Air transportation, nonscheduled .....	.3	.1	.1	.3	<	.1	.1	.1	.1	<
Airports, flying fields, and services	1.1	.2	.1	.4	.1	.1	.4	.3	.5	.2
Pipelines, except natural gas	2.2	.5	.1	.3	.3	.5	.6	.5	1.2	.5
Transportation services	3.0	.7	.2	.6	.9	1.7	.2	.2	1.6	.7
Passenger transportation arrangements	1.0	.2	<	.1	.2	.3	.0	.0	.8	.3
Freight transportation arrangements	1.6	.3	.1	.3	.6	1.1	.1	.1	.7	.3
Rental of railroad cars .....	.3	.1	.1	.2	.1	.2	.1	<	<	<
Misc. transportation services2	<	<	<	<	.1	.1	<	.1	<

See explanatory information and SOURCE at end of table.

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	Number	Pct	Number	Pct	Number	Pct	Number	Pct	Number	Pct
Communications	108.9	23.8	8.2	23.4	9.4	17.0	27.0	20.8	64.3	27.1
Telephone communications	56.6	12.4	4.6	13.3	7.3	13.2	20.0	15.4	24.6	10.4
Telegraph and other communications	1.4	.3	.2	.7	.2	.4	.6	.5	.3	.1
Radio and television broadcasting	33.8	7.4	1.5	4.3	1.0	1.7	2.1	1.6	29.2	12.3
Cable and other pay TV services	9.8	2.1	.8	2.2	.3	.5	.8	.6	7.9	3.3
Communications services, n.e.c.	7.4	1.6	1.0	3.0	.7	1.2	3.4	2.6	2.3	1.0
Utilities and sanitary services	107.1	23.4	9.5	27.3	13.4	24.2	39.9	30.7	44.3	18.7
Electric services	63.5	13.9	5.2	15.0	6.4	11.6	25.8	19.9	26.1	11.0
Gas production and distribution	10.6	2.3	1.3	3.8	1.7	3.1	2.7	2.1	4.9	2.1
Combination utility services	25.5	5.6	1.5	4.3	3.9	7.1	9.8	7.5	10.3	4.3
Water supply	1.1	.2	.2	.7	.2	.3	.2	.2	.5	.2
Sanitary services	6.3	1.4	1.2	3.4	1.2	2.2	1.4	1.1	2.5	1.1
Steam and air-conditioning supply ...	.1	<	<	.1	.0	.0	<	<	<	<
Irrigation systems	<	<	<	<	.0	.0	.0	.0	.0	.0
Wholesale and retail trade	213.9	46.7	14.1	40.3	25.8	46.5	56.1	43.2	117.9	49.7
Wholesale trade	184.1	40.2	11.5	32.9	18.4	33.1	50.5	38.8	103.8	43.7
Wholesale trade, durable goods	158.8	34.7	8.8	25.1	12.1	21.8	45.7	35.2	92.3	38.9
Motor vehicles, parts, and supplies	4.1	.9	.3	.9	.6	1.0	1.4	1.1	1.8	.8
Furniture and homefurnishings .....	.8	.2	.1	.3	.1	.2	.1	.1	.5	.2
Lumber and construction materials	1.6	.3	.1	.3	.1	.3	.4	.3	.9	.4
Professional and commercial equipment	74.5	16.3	4.2	12.1	8.2	14.7	17.7	13.6	44.4	18.7
Metals and minerals, except petroleum	2.0	.4	.2	.5	.2	.4	.7	.5	1.0	.4
Electrical goods	45.9	10.0	2.2	6.4	1.4	2.6	15.6	12.0	26.6	11.2
Hardware, plumbing, and heating equipment	4.7	1.0	.2	.6	.2	.3	1.6	1.3	2.7	1.1
Machinery, equipment, and supplies	22.2	4.8	1.1	3.0	.8	1.4	7.6	5.9	12.7	5.4
Miscellaneous durable goods	3.1	.7	.3	.9	.5	.9	.5	.4	1.8	.8
Wholesale trade, nondurable goods	25.3	5.5	2.7	7.8	6.3	11.4	4.8	3.7	11.5	4.8
Paper and paper products	1.7	.4	.1	.3	.4	.6	.3	.2	1.0	.4
Drugs, proprietaries, and sundries	4.2	.9	.7	1.9	1.1	1.9	.7	.5	1.7	.7

See explanatory information and SOURCE at end of table.

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	Number	Pct	Number	Pct	Number	Pct	Number	Pct	Number	Pct
Wholesale trade, nondurable goods—continued:										
Apparel, piece goods, and notions	1.8	0.4	0.2	0.7	0.5	1.0	0.2	0.2	0.8	0.3
Groceries and related products	5.3	1.2	.6	1.6	1.0	1.8	.8	.6	2.9	1.2
Farm-product raw materials .....	.4	.1	<	.1	.1	.2	<	<	.2	.1
Chemicals and allied products	5.1	1.1	.4	1.1	1.2	2.2	1.7	1.3	1.7	.7
Petroleum and petroleum products	2.2	.5	.2	.6	.6	1.0	.7	.5	.8	.3
Beer, wine, and distilled beverages .....	.7	.1	<	.1	.1	.3	.1	.1	.4	.2
Misc. nondurable goods	4.1	.9	.5	1.5	1.3	2.4	.3	.2	1.9	.8
Retail trade	29.8	6.5	2.6	7.4	7.4	13.4	5.7	4.4	14.2	6.0
Building materials and garden supplies	2.8	.6	.1	.4	.6	1.1	.2	.2	1.8	.8
Lumber and other building materials	2.2	.5	.1	.3	.4	.6	.2	.1	1.6	.7
Paint, glass, and wallpaper stores .....	.1	<	<	.1	<	.1	.0	.0	.1	<
Hardware stores .....	.3	.1	<	<	.2	.4	<	<	<	<
Retail nurseries and garden stores .....	.1	<	.0	.0	.0	.0	<	<	.1	.1
General merchandise stores	5.9	1.3	.9	2.7	1.9	3.4	1.4	1.1	1.8	.7
Department stores	5.4	1.2	.9	2.6	1.6	3.0	1.4	1.0	1.5	.6
Variety stores .....	.3	.1	<	.1	.1	.1	<	<	.2	.1
Misc. general merchandise stores .....	.2	.1	.0	.0	.2	.3	.0	.0	.1	<
Food stores	1.9	.4	.2	.5	.5	.9	.2	.1	1.0	.4
Grocery stores	1.9	.4	.2	.5	.5	.9	.1	.1	1.0	.4
Fruit and vegetable markets	<	<	.0	.0	.0	.0	<	<	.0	.0
Miscellaneous food stores ..	<	<	.0	.0	.0	.0	.0	.0	<	<
Automotive dealers and service stations .....	.9	.2	.1	.2	.3	.6	.1	.1	.4	.1
New and used car dealers ..	.1	<	<	<	.0	.0	.0	.0	<	<
Auto and home supply stores .....	.3	.1	<	<	.1	.1	.1	.1	.2	.1
Gasoline service stations ....	.5	.1	<	.1	.2	.4	<	<	.1	.1
Automotive dealers, n.e.c.	<	<	.0	.0	.0	.0	.0	.0	<	<
Apparel and accessory stores	2.6	.6	.1	.3	.7	1.2	.9	.7	.9	.4
Men's and boys' clothing stores1	<	<	.1	<	<	.0	.0	<	<
Women's clothing stores	1.2	.3	<	.1	.1	.2	.8	.6	.3	.1

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Apparel and accessory stores—continued:										
Women's accessory and specialty stores	0.1	<	0.0	0.0	0.1	0.1	0.0	0.0	<	<
Children's and infants' wear stores	<	<	.0	.0	<	.1	.0	.0	<	<
Family clothing stores .....	.6	.1	<	.1	.2	.4	<	<	.3	.1
Shoe stores .....	.3	.1	<	.1	.1	.2	<	<	.2	.1
Misc. apparel and accessory stores .....	.2	<	<	.1	.1	.2	<	<	<	<
Furniture and homefurnishings stores	8.3	1.8	.4	1.2	1.4	2.6	1.4	1.1	5.0	2.1
Furniture and homefurnishings stores ....	.8	.2	.1	.2	.2	.3	.0	.0	.6	.2
Household appliance stores .....	.1	<	.0	.0	.1	.1	.0	.0	.1	<
Radio, television, and computer stores	7.4	1.6	.4	1.0	1.2	2.1	1.4	1.1	4.4	1.8
Eating and drinking places ...	.4	.1	<	.1	.2	.3	<	<	.2	.1
Misc. retail stores	7.1	1.6	.7	2.0	1.8	3.3	1.5	1.1	3.1	1.3
Drug stores and proprietary stores .....	.7	.1	.1	.2	.3	.6	<	<	.2	.1
Liquor stores .....	.1	<	.0	.0	.0	.0	.1	.1	.0	.0
Used merchandise stores ...	<	<	.0	.0	<	<	.0	.0	.0	.0
Miscellaneous shopping goods stores	1.7	.4	.2	.5	.4	.7	.5	.4	.6	.3
Nonstore retailers	4.1	.9	.4	1.1	1.0	1.8	.8	.6	1.9	.8
Fuel dealers .....	.1	<	<	<	<	<	.1	<	<	<
Retail stores, n.e.c. ....	.5	.1	<	.1	.1	.2	<	<	.3	.1

NOTE: Because of rounding, components may not add to totals.

KEY: < = The estimated actual value is less than 50 for numbers and less than 0.05 for percents.
0 = Data were collected and the reported number or value was zero.
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, using data from U.S. Department of Labor/Bureau of Labor Statistics, Occupational Employment Statistics Survey